



LAWRENCE
LIVERMORE
NATIONAL
LABORATORY

Number Theory

K. Balasubramanian

December 29, 2003

Journal of Mathematical Chemistry

Disclaimer

This document was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor the University of California nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or the University of California, and shall not be used for advertising or product endorsement purposes.

This work was performed under the auspices of the U.S. Department of Energy by the University of California, Lawrence Livermore National Laboratory under Contract No. W-7405-Eng-48.

Number Theory

All numbers are created equal
Yet some are more prime.
But then why some are real
And others are truly imaginary?

All numbers are created equal
Yet all numbers are complex.
But then why some numbers
Are more rational than others?

All numbers are created equal
And many numbers are integral
But then why some are positive
And others are negative?

All numbers are created equal
And many numbers have values
But then why there is a number
That's zero like an empty tumbler?

Are there equal numbers?
Or is it only in my slumber
That I see transcendental numbers
And the eternal infinity?

BY

K. Balasubramanian

*Center for Image Processing & Integrated Computing,, University of California, Davis,
Livermore, California 94550; Chemistry and Material Science Directorate, Lawrence
Livermore National Laboratory, University of California, Livermore, California 94550;*

Glenn T. Seaborg Center, Lawrence Berkeley National Laboratory, Berkeley, California
94720

Note from the author: This poem was inspired by Prof. Paul G. Mezey in a conversation in Banff, Alberta, Canada in August 2003. Prof Mezey mentioned to the author, did you know, “All number are created Equal”. Subsequently Dr. Seymour B. Elk and the author added a few more things. This incident sowed the seed for subsequent development and nourishment of this poem by the author. Thus the poem is dedicated to Professor Paul G. Mezey.